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ABOUT THIS MANUAL

This manual is a guide on how to use the UEC STU (Set Top Unit) 720 satellite receiver/decoder supplied by FOXTEL.

The Digital Satellite STU Equipment

This section provides an overview of the FOXTEL Set Top Unit (STU) Equipment. It contains diagrams and tables of the STU and Remote Control Unit.

Getting Started

This section explains the basic operation of the STU, from switching it on to tuning your TV to receive the satellite programmes.

STU Connections

This section deals with the various domestic installation configurations available and illustrates optional connections for your TV, VCR and Hi-Fi.

Controlling the Show

This section shows you how to use the various controls to provide you with the optimum viewing and listening experience.

Using the On-screen Menus

The menu system enables you to set functions in the STU so that you can customise its features to suit your viewing needs.

Troubleshooting

This section contains a troubleshooting guide and explains how FOXTEL can provide you with technical assistance.

SAFETY

This STU exceeds International Safety Standards but you must exercise care when using it. Please read the following recommended safety precautions carefully, and exercise care at all times when connecting or disconnecting any of FOXTEL'S equipment from a power source.

MAINS SUPPLY: 192-288 V (220/240 V) AC 50 Hz.

LIQUIDS: Keep liquids away from the STU.

CLEANING: Before cleaning, disconnect the STU from the wall socket. Use a cloth lightly dampened with water (no solvents) to clean the exterior.

VENTILATION: Do not block the STU ventilation holes. Ensure that free airflow is maintained around the STU. NEVER stand the STU on soft furnishings or carpets. Do not use or store the STU where it is exposed to direct sunlight, or near a heater. Never stack other electronic equipment on top of the STU.

ATTACHMENTS: Do not use any attachment that is not recommended by the manufacturer, as it may cause a hazard or damage the equipment.

CONNECTION TO THE SATELLITE DISH LOW NOISE BLOCK (LNB): The LNB connector cable has a voltage on its centre core. It is therefore recommended that the STU is disconnected from the mains power before connecting or disconnecting this cable. **FAILURE TO DO SO COULD DAMAGE THE LNB AND/OR GIVE A MILD SHOCK**.

SERVICING: Do not attempt to service this product yourself. Any attempt to do so will be against your terms and agreements. Refer all servicing needs to FOXTEL 131 999.

PREFACE

The manual provides:

- Important safety precautions; please study them.
- Overview material; read only those parts that interest you. It is not necessary to study the manual from cover to cover before using the STU.
- Step-by-step instructions on how to use the STU.
- Step-by-step instructions on how to install the STU and connect it to basic sound and TV systems. It is beyond the scope of this manual to include all of the possible configurations or installation procedures.
- Troubleshooting guide to assist you if you have difficulty with operating the STU correctly, or if technical problems occur.

The operation of the STU can be upgraded using over-the-air signals. This manual and the menus downloaded in the STU are therefore subject to change at any time.

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DIGITAL SATELLITE SERVICES

The STU has been designed to receive and process digital signals transmitted from orbiting satellites. The satellites act as mirrors in the transmission process, beaming the FOXTEL's signals back to your satellite dish.

In addition to the digital TV and audio signals, satellite signals also contain data that the STU extracts, processes and stores. This provides up-to-date text information on the content and status of the various services at the touch of a button.

CONDITIONAL ACCESS

Smart Card

You were supplied with a FOXTEL Smart Card when you subscribed. The Smart Card looks similar to a credit card and is inserted into the slot behind the right-hand front flap of the STU.

Inserting the Smart Card

The Smart Card is the key to unlocking the subscribed services in the STU. The STU will not unscramble scrambled TV or audio services if the card is not inserted or is incorrectly inserted.

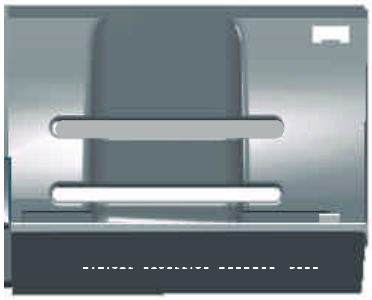
Inserting the Smart Card into the STU allows instant access to the subscribed services.

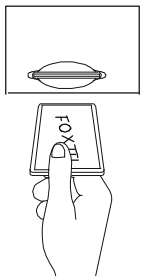
To insert the Smart Card, follow the instructions carefully.

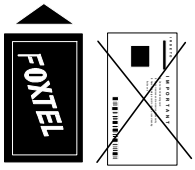
1 Open the right hand flap on the front of the STU (see figure). Swing the flap downwards to expose the card slot.

2 Hold the Smart Card horizontally with the logo on top and the arrows pointed towards the slot. Insert the Card fully into the slot.

3 Close the flap.



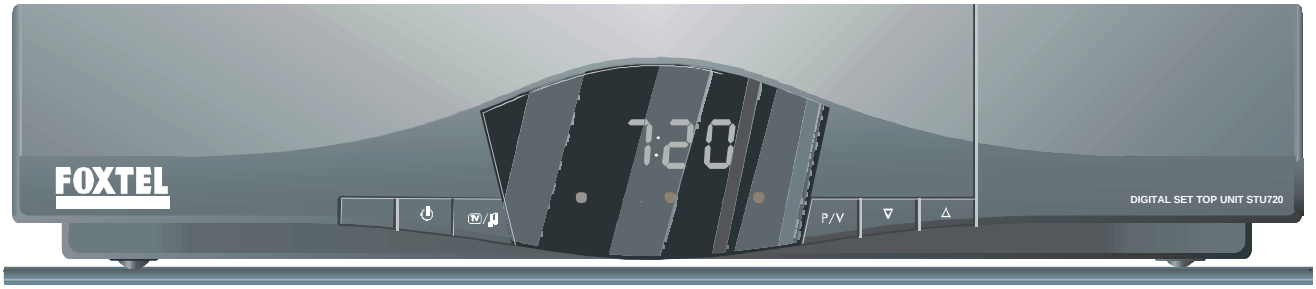




DIGITAL SATELLITE EQUIPMENT

Digital Satellite STU

The STU combines a high quality MPEG-2 and DVB compliant satellite receiver, with a sophisticated decoder in one package. The STU provides all that you need to exploit the exciting new satellite services that are now available.



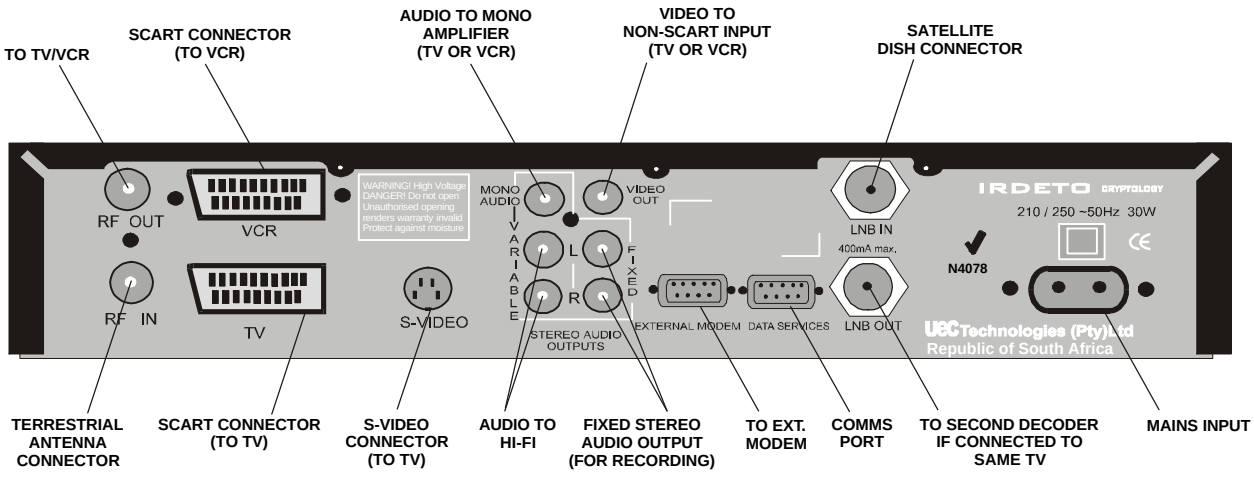
DISPLAY

Y G R	Y G R	Y G R	Y G R	Y G R
Green dot STU in Standby mode	Service No. 17 selected	Green light - Audio services selected	Rotating bar. Searching for service information	Three flashing bars and red light. Service not found, or signal of inferior quality
Y G R	Y G R	Y G R	Y G R	Y G R
Download in progress. Steady yellow light	Green dot flashes when RCU keys are pressed	Yellow light. Mail message waiting	Red light Error indication	Menu selected

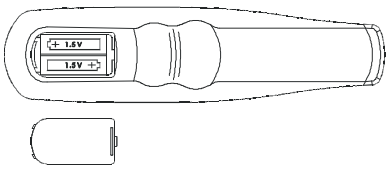
FRONT PANEL KEYS

KEY	DESCRIPTION
⏻	Switches the decoder between normal and standby modes
TV / ♪	Switches between TV and Music/Radio services
P/V	Switches between programme selection and volume control
▲	Selects next service on list (up) or increases volume level
▼	Selects previous service on list (down) or decreases volume level
⏻ and TV / ♪	When pressed simultaneously, the keys reset the operation of the decoder

REAR PANEL CONNECTIONS



REMOTE CONTROL UNIT (RCU)



Inserting/changing the batteries

- Never leave flat batteries in the remote control
- Only Insert AAA size batteries
- Make sure batteries are correctly positioned, or remote will not work

When pressed and held displays the UHF tuning channel on decoder and TV (page 6)

Puts the decoder into standby or takes it out of standby (page 6)

When pressed, displays the last viewed FOXTEL programme

Displays the local time and date on the TV (page 12)

Displays the Main Menu, or, If a menu is already displayed, returns to the last viewed Foxtel programme (page 16)

Displays a programme information bar on the screen for 5 seconds. When pressed again, displays extended event information (page 14)

▲ and ▼ arrow keys
Move the highlights up or down the screen when a menu or FOXTEL TV/Radio guide is displayed (pages 13, 14 & 16)

Selects the electronic programme guide (EPG) which displays all the available FOXTEL TV and Radio programmes (page 13)

◄ and ► arrow keys
Switches options in menus (page 16)

Selects a programme when in the EPG and selects highlighted Options or values in menus.
Saves any changed settings in menus (pages 13 and 16)

Removes the TV/Radio guide or information from the screen and redisplays the last FOXTEL programme you were watching (page 13)
If a menu is displayed, pressing EXIT returns you to the previous menu (page 16)

V+ and V- keys
Adjusts th volume up or down (page 12)

P+ and P- keys
Steps through the FOXTEL channels one at a time (+ for next, - for previous)

Displays available bouquets on screen (page 11)
Switches to a FOXTEL TV channel from a FOXTEL Radio channel.

Number keys 0 to 9
Selects FOXTEL programmes, or keys in numbers, e.g, PIN number

Switches to a FOXTEL Radio channel from a FOXTEL TV channel (page 13)

Mutes the sound from the TV (page 12)

Displays soundtrack information on the TV for 5 seconds. Where options are available, the display identifies the numbers (page 13)

Displays subtitle options (if available) on the TV. When pressed again, displays teletext on channels where it is available (page 12)

GETTING STARTED

Setting-up the System

Switching on the STU at the Mains

When you first switch on the STU at the mains, it goes through a power-up sequence, during which various indications are displayed on the STU display and TV screen, then displays service number 1 on the front panel display.

NOTE: **If the TV is not tuned to the channel chosen to view the satellite services, the sequence is still the same, but the TV will not display the scanning screen or the TV programme. To tune the TV to the STU services, re-tune the TV as per *Tuning Your TV.***

If your TV has been tuned to accept the STU services, but your smart card has not been inserted into the STU, an error message will appear on your TV screen on completion of the sequence.

If your STU was in standby mode with the mains power switch off, it will display a 24 hour clock when mains power is restored. Press ⏻ to restore the signal.

It is strongly recommended that the STU is not switched off at the mains as this will prevent proper operation of the STU, INCLUDING OVER-THE-AIR SOFTWARE UPGRADES.

Tuning your TV

If your TV is not tuned to the STU viewing channel, you will not be able to view the satellite services. Your VCR, STU and TV can also interfere with each other unless they are tuned in correctly. The output of the STU can be tuned over the whole UHF band using the following recommended method:

1 Connect the satellite dish and terrestrial antenna.

2 On the TV, select any unused channel on which you wish to view your satellite programmes. Once selected, all your satellite services will be viewed on this channel, selection of the service being made using the RCU.

3 Press and hold UHF on the RCU until UHF is displayed on the STU display. Tune your TV set to receive the STU test signal display (see following figure).

A Channel number (initially 38) will be displayed on the STU front panel display. Press UHF on the RCU to remove the test signal.

Check that any noise from the STU does not interfere with signals received on the VCR. Check all tuned channels on the TV for interference.

4 If any interference is noticed, change the UHF channel number as follows:

Press and hold the UHF button on the RCU to display UHF on the STU display and the UHF test screen on the TV.

Change the channel number to 2 more or 2 less than the existing number (36 or 40) by pressing ◄ or ► twice on the RCU. Press OK to save. The following will happen as soon as ◄ or ► is pressed:

a. The TV display is lost because the TV is not tuned to the new channel.

b. The new channel number is displayed on the front panel of the STU.

On the TV, retune the channel allocated to the STU until the STU test pattern is clearly visible.

Repeat step 4 until interference on all channels is eliminated.

NOTE: **After changes have been made, the STU must not be switched off for at least 3 minutes to allow for the new setting to be saved.**

If interference is still present, it is recommended that good quality screened cables (preferably double screened) are used for interconnecting all other equipment to the STU.

Standby and Normal Modes

The STU does not have a mains power on/off switch and it is recommended that, for normal viewing, it remains connected to the mains after installation.

When the STU is not in use, it should be switched to the standby mode using the ⏻ symbol on the front panel or on the RCU.

The standby mode is indicated by a 24 hour clock display on the STU display panel. To use the STU after the initial installation:

1 Switch on the TV and any other equipment included in the system.

2 Select the channel on the TV that you have allocated for viewing the satellite services.

3 If the STU is in the standby mode, press ⏻ on either the RCU or STU front panel, to return to the normal viewing mode. A service number will be displayed on the front panel indicator.

4 You will be returned to your last selected TV or Music & Radio channel.

5 If you wish to select TV programming, press TV on the RCU.

6 If you wish to select the Music & Radio Services, press the ♫ key on the RCU, or TV/♫ on the STU front panel. If subscribed to, an audio service will be heard, and the audio programme information box will be displayed on the TV. A green indicator on the front panel display is lluminated while

the STU is in the Music & Radio mode.

TV Services are restored by pressing TV on the RCU, or TV on the STU front panel.

NOTE: When switching from normal to standby then back to normal, the STU automatically returns to the previously selected service.

7 The STU is set up to the local default settings by the manufacturer. If it becomes necessary to change the installation parameters call FOXTEL on 131 999.

The STU is now ready for normal use.

INSTALLATION OPTIONS

Introduction

There are several ways of connecting the STU to an existing entertainment system.

The following more common examples enable you to view satellite services and terrestrial channels, record and playback from a VCR and listen to CD quality stereo sound on a Hi-Fi.

Consult FOXTEL for assistance in setting up an audio/video configuration best suited to your requirements.

Hints to Quality TV System Configurations

- Where possible, connect cables via audio/video outputs/ inputs (SCART or AV) instead of RF connectors.
- Use an appropriate, correctly installed satellite dish system.
- Use high quality stereo TV and Hi-Fi equipment.
- Use high quality screened cables.

NOTE: When Video and Audio connectors (AV) are used, it may be necessary to select a Video mode (AV) on the VCR and TV in place of a TV mode.

STU, TV (using SCART or RF Interface)

NOTE: As the LNB connection cable carries a small voltage on its centre connector, it is recommended that the mains supply to the STU is switched off before connecting or disconnecting the LNB cable.

1 Connect the terrestrial antenna connector to the RF IN socket on the STU.

The following instruction applies if your TV has a SCART connector.

2 If using a SCART-to-SCART cable (not supplied), connect theTV SCART socket on the STU to the SCART socket on the TV.

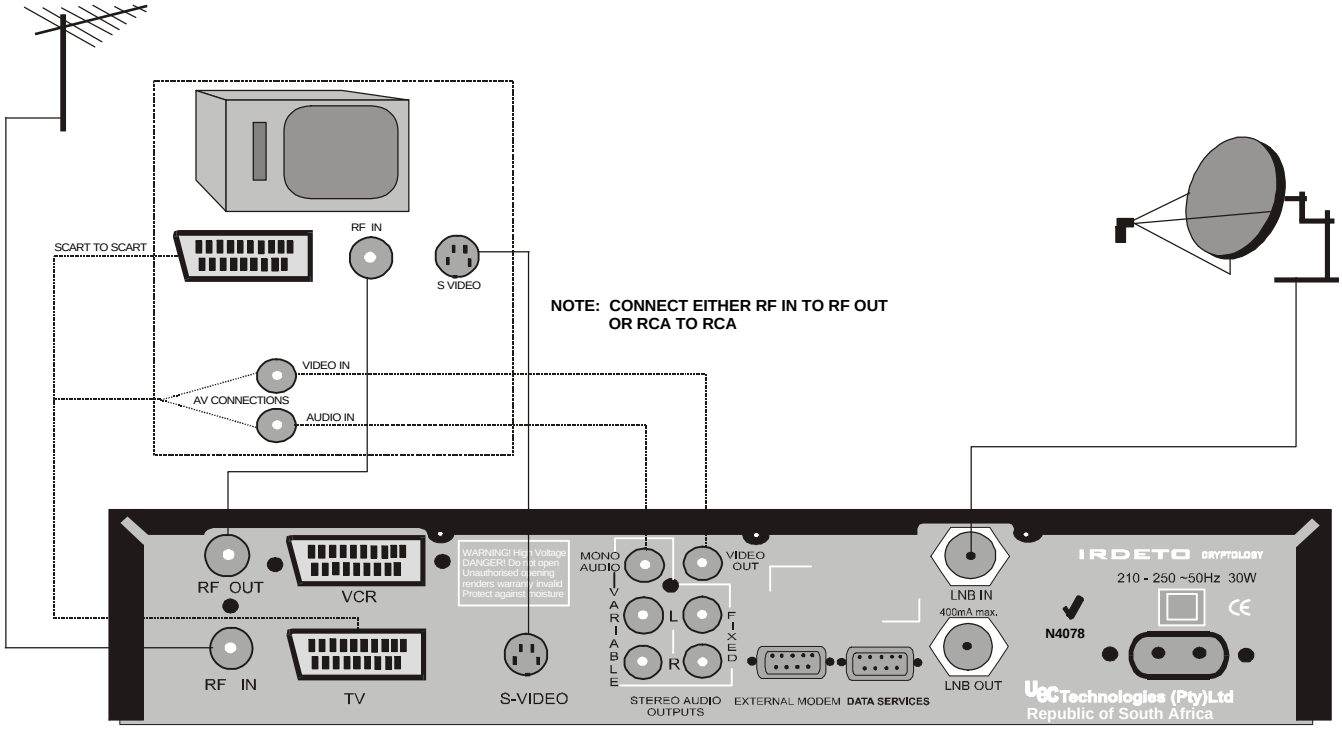
OR

Using a SCART to RCA connector (not supplied), connect the TV SCART to the A V connectors on your TV. If only one audio socket is available on your TV, the mono audio connector should be used.

3 If required, use an RF signal flylead to connect the RF OUT socket on the STU to the RF IN socket on the TV.

4 Connect the coaxial cable connector from the LNB on the satellite dish into the socket marked LNB IN on the STU. The connector on the coaxial cable should be turned until it is finger tight.

5 If your TV has a S Video connector, connect to S VHS connector on the decoder. Also, connect Mono Audio on decoder to Audio In on the TV, or variable audio if you have a stereo TV.



REAR PANEL

STU, TV (SCART or RF Interfaces), Hi-Fi

NOTE: It is recommended that you switch off the mains supply to the STU before connecting or disconnecting the LNB connector.

1 Connect the terrestrial antenna connector to the RF IN socket on the STU.

2 Connect a flylead between the variable stereo sound outputs on the STU and the audio inputs on the Hi-Fi.

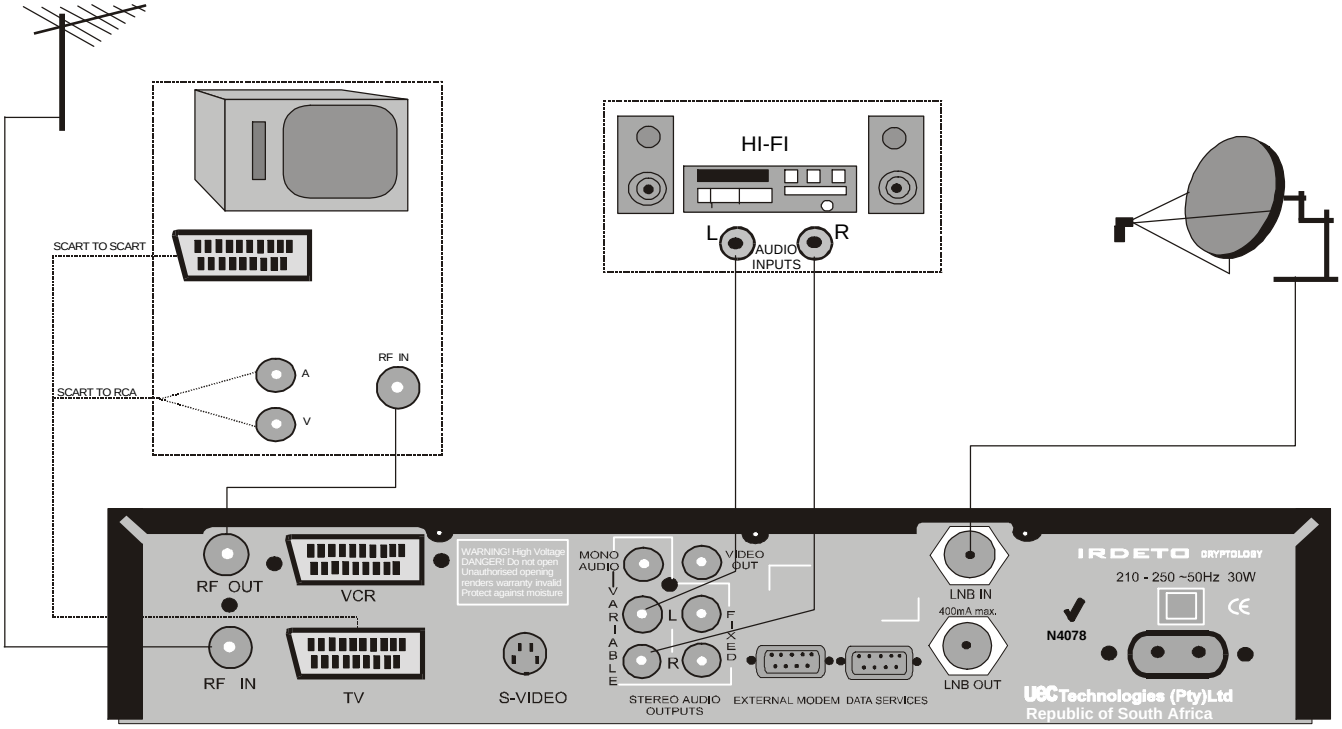
3 Connect the coaxial cable connector from the LNB on the satellite dish into the connector marked LNB IN on the STU. The connector on the coaxial cable to the STU should be finger tight.

4 Using a SCART-to-SCART cable (not supplied), connect the TV SCART socket on the STU to the SCART socket on the TV.

OR

Using a SCART to RCA connector (not supplied), connect the TV SCART to the AV connectors on your TV.
If only one audio socket is available on your TV, the mono audio connector should be used.

5 If the TV does not have a SCART socket or RCA AV connector, use an RF flylead to connect the RF OUT connector on the STU to the RF IN connector on the TV.



REAR PANEL

STU, VCR , TV, Hi-Fi

NOTE: It is recommended that you switch off the mains supply to the STU before connecting or disconnecting the LNB connector.

1 Connect the terrestrial antenna connector to the RF IN socket on the STU.

Follow Steps 2 to 4 if you are not using SCART connectors

2 Using a flylead, connect the RF OUT connector on the STU to the RF IN connector on the VCR.

3 If required, use an RF flylead to connect the RF OUT on the VCR to the RF IN on the TV

.

4 Connect the coaxial cable from the satellite dish to the LNB IN connector on the STU. Tighten the connector finger tight.

Follow Steps 5 and 6 if you are using SCART connectors.

5 Using a SCART-to-SCART cable (not supplied), connect the TV SCART connector on the STU to the SCART socket on the TV.

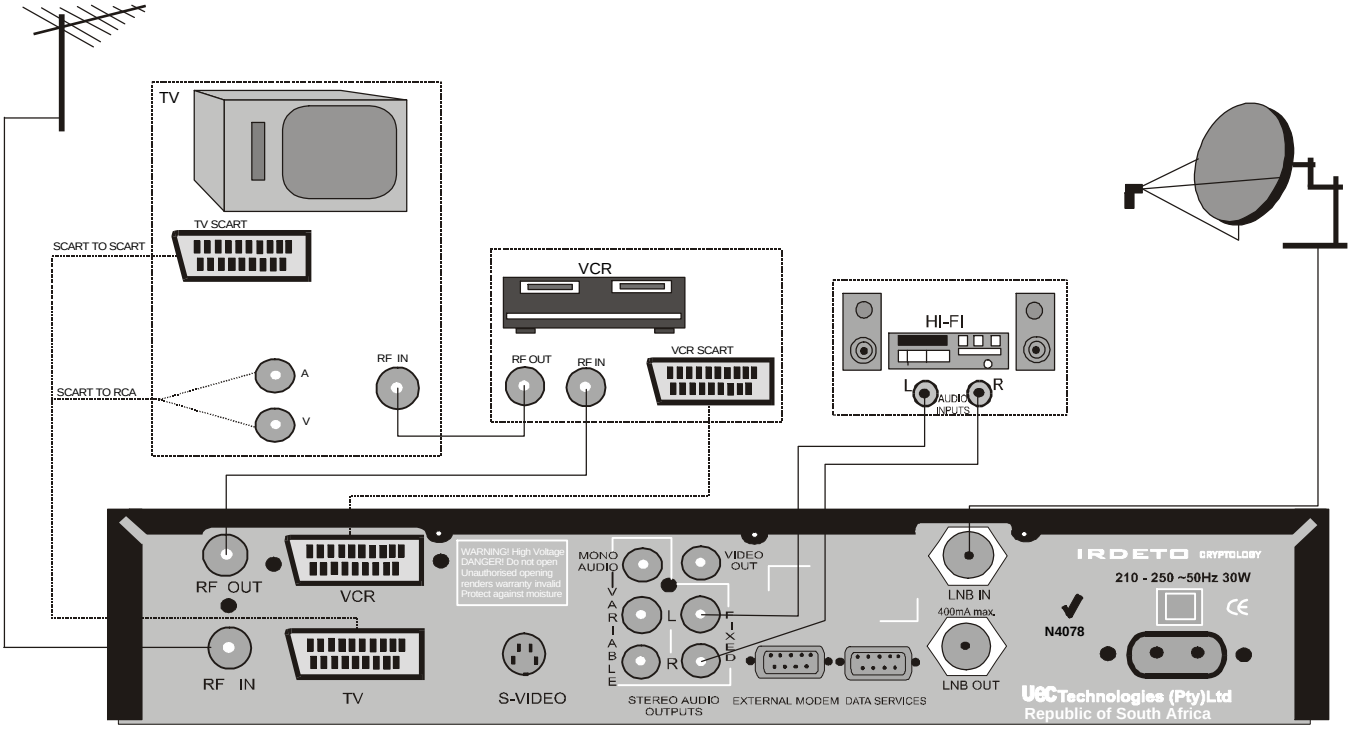
OR

Using a SCART to RCA connector (not supplied), connect the TV SCART to the AV connectors on your TV. If only one audio socket is available on your TV, the mono audio connector should be used.

6 Using another SCART cable, connect the VCR SCART on the STU to the SCART on the VCR.

7 Connect the VARIABLE LEFT and RIGHT STEREO AUDIO OUT connectors on the STU to the LEFT and RIGHT AUDIO INPUT connectors on the stereo.

8 Switch power on to the STU.



REAR PANEL

STU, VCR, TV, Hi-Fi (using RCA Connectors)

NOTE: It is recommended that you switch off the mains supply to the STU before connecting or disconnecting the LNB.

1 Connect the terrestrial antenna to the RF IN socket on the STU.

2 If required, using an RF flylead , connect the RF OUT on the STU to the RF IN on the VCR.

3 Using another flylead, connect the RF OUT on the VCR to the RF IN on the TV.

4 Connect the coaxial cable connector from the LNB on the satellite dish into the socket marked LNB IN on the STU. Tighten the connector finger tight.

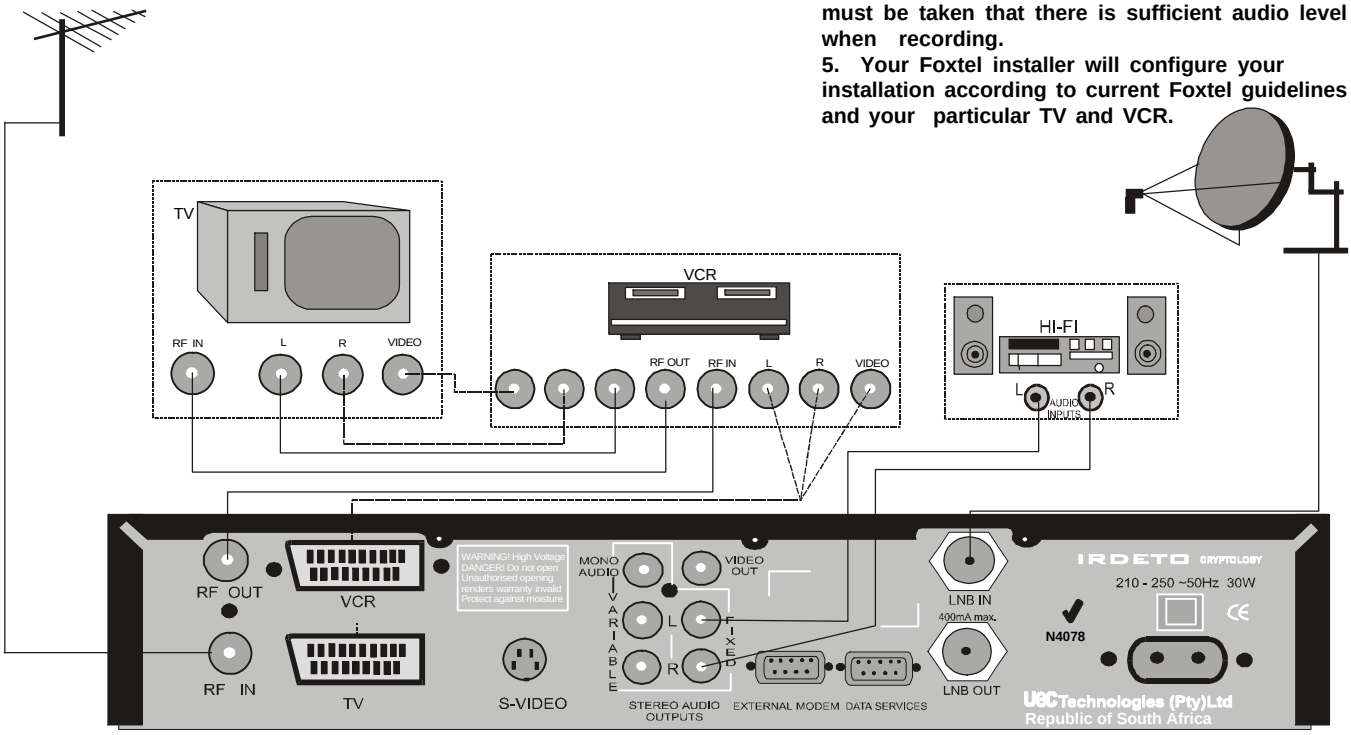
5 If the TV and VCR have AV connectors, connect as shown in the diagram.

6 Connect the VIDEO OUT connector on the STU to the VIDEO IN connector on the VCR.

7 Connect the MONO AUDIO socket on the STU to the AUDIO IN socket on the VCR.

8 Switch power on to the STU.

NOTE:
1. If your VCR has a stereo audio input, connect the FIXED stereo audio outputs from the STU to the VCR stereo audio connector.
2. Any taping of programmes from your Foxtel service is subject to copyright laws.
3. Please note that when using the system with fixed stereo connection, the volume control cannot be controlled by the Foxtel remote control unit. This will ensure appropiate sound levels are recorded when taping programmes.
4. If you wish to use the Foxtel remote control unit as the master volume control unit, connect the variable stereo outputs. In this mode care must be taken that there is sufficient audio level when recording.
5. Your Foxtel installer will configure your installation according to current Foxtel guidelines and your particular TV and VCR.



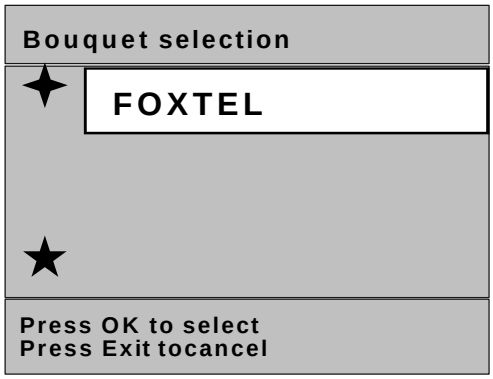
REAR PANEL

Bouquet Selection

TV services are transmitted in a subscribed package called a BOUQUET, which contains a number of services. The services transmitted by Foxtel are contained in a bouquet labelled FOXTEL.

When the bouquet is selected, the services in that bouquet will be listed numerically in the Electronic Programme Guide (see page 13). Pressing TV on the remote control displays a list of the available bouquets.

Only one bouquet is available labelled FOXTEL. If the STU is not in the Foxtel Bouquet, no services will be available. To select the FOXTEL Bouquet, press the TV button on the remote control (The FOXTEL Bouquet sholud appear), then select OK.



The STU is capable of managing multiple Bouquets. FOXTEL may choose to add further Bouquets post installation of your STU. Please use the TV button to select the required Bouquet.

Selecting Specific Services

Specific TV or Music & Radio services can be selected, either:

- Directly
- By stepping through services
- By using the Electronic Programme Guide (EPG),
  or
- By using the Information Bar.

Selecting Services Directly

Services can only be selected directly using the RCU. To select a specific service, do the following:

1 To select an audio service, press ♫ on the RCU. Press TV to restore TV services.

2 Press the number of the required service on the RCU's numerical keypad.

The specific service will be heard/displayed after a few moments accompanied by an information box at the bottom of the TV screen with details of the selected service.

NOTE: To select services requiring two-digit numbers, i.e.,10-99, press the first digit, then the second digit without pausing.

TIP: When the key for the first digit is pressed on the RCU, the corresponding number is displayed on the left of the front panel numerical display on the STU. After a few moments, the number moves to the right. The second digit of two digit number must be keyed in before this move takes place

Stepping through Services

Stepping through services is possible using either the RCU or STU front panel keys.

Stepping using the Remote Control

To step through services using the remote control, do the following:

1 Select the type of service required, TV or Music & Radio (♫).

2 Press P+ to step to the next service or P - to step to the previous service in the list of available services.

After pressing P+ or P -, an information box is displayed at the bottom of the TV screen with details of the service. After a few seconds, the relevant service is displayed/heard.

3 If required, continue stepping by pressing P+ or P - until you find the service you prefer. It is not necessary to wait for services to be displayed/heard before stepping to the next or previous service.

If you decide to watch or listen to a service you have stepped to, wait for the service to be displayed/heard. The information box will disappear after a short while or can be removed immediately by pressing EXIT.

NOTE: When you reach the last available service in the list and press P+ you are returned to the first service in the list.

Stepping using the STU Front Panel Keys

To step and select a specific service using the STU front panel keys, do the following:

1 Select the type of service required, by pressing TV/ ♫ to switch between TV services and audio services. Selection of the audio service is indicated by a green indicator on the front panel display.

2 Press ▲ (up) to step to the next service or ▼(down) to step to the previous service in the list of available services.

After pressing ▲ or ▼, an information box is displayed at the bottom of the TV screen with details of the service. After a few seconds the relevant service is displayed/heard.

3 Continue stepping, by pressing ▲ or ▼ until you find the service you prefer. It is not necessary to wait for services to be displayed/heard before stepping to the next or previous service.

To view/listen to any service you have stepped to, wait for the service to be displayed/heard. The information box will disappear after a short while.

NOTE: When you reach the last service in the list, pressing ▲ returns you to the first service in the list.

The ▲ and ▼ symbols have dual functions and cannot be used for stepping while the volume control box is displayed on the screen. This box is displayed when setting the volume, see this page.

Selecting Specific Services from the EPG

NOTE: For a description of the Electronic Programme Guide (EPG) refer to page 13.

Selecting Services from the Information Bar

NOTE: A description of the Information Bar is on page 14.

Controlling the Show

Adjusting the Volume using the RCU Keys

NOTE: It is recommended that you first select a terrestrial channel, then set the volume on the TV to a comfortable listening level.

To adjust the volume level on the STU, select your satellite service, then press V+ to increase the volume level or V- to reduce the volume level.

The volume level is depicted by the length of the highlight bar on the on-screen display.

NOTE: The Fixed Stereo Sound Outputs (Left and Right) cannot be controlled with the volume control keys on the RCU or on the front panel and the Mute function will not operate.

Adjusting the Volume using the STU Keys

To change the volume level, press P/V on the STU. An on-screen volume display is displayed for a brief time.

While the volume control display is displayed, press and release ▲ or ▼ to respectively increase or reduce the volume level in separate steps. The change in volume level is depicted by the changing length of the highlight bar.

NOTE: The Variable Stereo Sound Outputs (Left and Right) can be controlled using the volume control keys on the RCU or on the front panel.

Mute

To mute the audio do the following:

1 Press on the RCU. The following window is displayed for 3 seconds and the audio muted:

2 To restore the audio, press the symbol again. The audio is restored at the previous level and the volume control window displayed for 3 seconds.

3 Adjust the volume level using V+ and V-.

NOTE: The mute function is disabled when the FIXED STEREO audio outputs (Left and Right) on the STU are used. This ensures a fixed volume level for recording purposes. The VARIABLE STEREO audio outputs (Left and Right) of the STU can, however, be muted.

Displaying Subtitles or Teletext

Subtitles

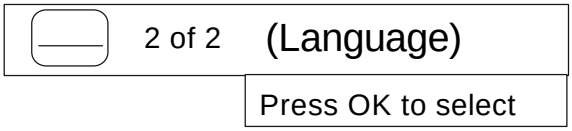
If subtitles are available, they can be displayed on the screen as part of the programme.

To remove a subtitle do the following:

1 Press symbol on the RCU. A box is displayed on the TV screen as follows:

NOTE: If subtitles are not available, a "No subtitle" window is displayed for 5 seconds. Press EXIT if required.

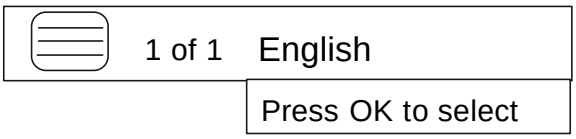
2 To restore the subtitles, press again. The following box is displayed:



Teletext

Some services may have a teletext service. This can be selected as follows:

1 With the service selected, press symbol twice on the RCU. The following box is displayed:



Note that the symbol changes to three bars to indicate teletext selected.

If teletext is not available, a "No teletext" window is displayed for 5 seconds. If other languages are available keep pressing the symbol until the language is selected.

2 To make the teletext transparent press the symbol again.

3 To page up or down, press P+ or P- on the RCU. To change to a distant page, select the page number on the RCU keypad, then press OK

4 To clear the teletext, press EXIT on the RCU.

Clock

To view the time do the following:

1 Press on the RCU. The date and time are displayed for a few seconds. If required press EXIT to clear.

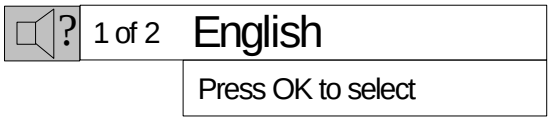
Selecting Soundtracks

Available language soundtracks, included with programmes, can be heard and selected at any time while watching a programme.

NOTE: Preferred soundtrack languages for automatic selection can be set using the menu system. Refer to Soundtrack Options (page 16).

To listen to and select available soundtracks, do the following:

1 Press ? on the RCU. The current soundtrack language is displayed as follows:



Pressing OK selects the option listed.

2 Press the symbol again. If additional soundtracks are available, the next soundtrack option is listed in the window. Continue pressing to cycle through all the available soundtracks.

3 Press OK to select a soundtrack language. The soundtrack window is displayed and the new soundtrack is heard.

Power Reset

Should your TV picture freeze, it is possible to reset the STU without unplugging it from the power supply.

Simultaneously press then release the ⏻ and TV/♫ buttons on the STU front panel.

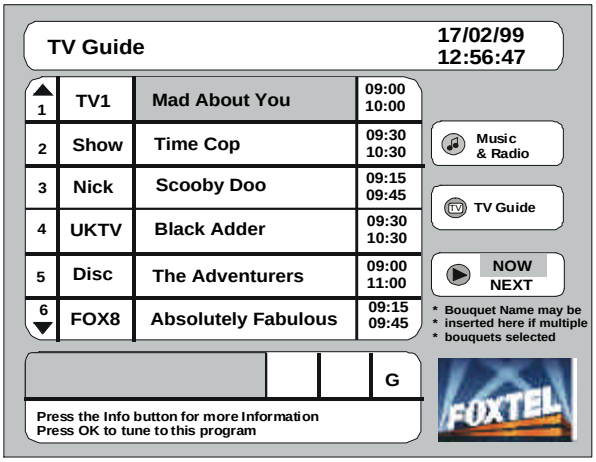
ELECTRONIC PROGRAMME GUIDE

The STU stores up-to-date information, received over the air, of all the currently subscribed to TV Services and on-air Audio services, as well as the next and extended programmes scheduled for each TV and Audio service. The information for each programme includes, where appropriate:

- The service number and name
- Title of the programme
- Censorship classification of the programme
- Brief information on the programme
- Start and finish times of the current programme
- Reminders
- Impulse Pay Per View symbol (when available)

Using the EPG

1 On the RCU, press TV GUIDE. An on-screen menu is displayed as follows:


TV Guide
17/02/99
12:56:47
1 TV1 Mad About You 09:00 10:00
2 Show Time Cop 09:30 10:30
3 Nick Scooby Doo 09:15 09:45
4 UKTV Black Adder 09:30 10:30
5 Disc The Adventurers 09:00 11:00
6 FOX8 Absolutely Fabulous 09:15 09:45
Music & Radio
TV Guide
NOW NEXT
* Bouquet Name may be
* inserted here if multiple
* bouquets selected
G
Press the Info button for more Information
Press OK to tune to this program
FOXTEL

NOTES: **When pressing any of the arrow controls on the RCU, the colour of the displayed arrow in the EPG screens darkens to indicate activity.**

TV programmes are not displayed and audio not heard while the EPG screen is displayed.

2 Use the cursor keys ▲ or ▼ to scroll up or down the list, as only five events are shown on the screen. When the last event is highlighted and you press ▼ , six new events are displayed and the highlight is put at the top of the list. This also works for scrolling up.

The list is continuous, so after the last service the Guide starts displaying service 1 again.

The current programmes are listed when NOW is selected and the programmes to follow are listed when NEXT is selected.

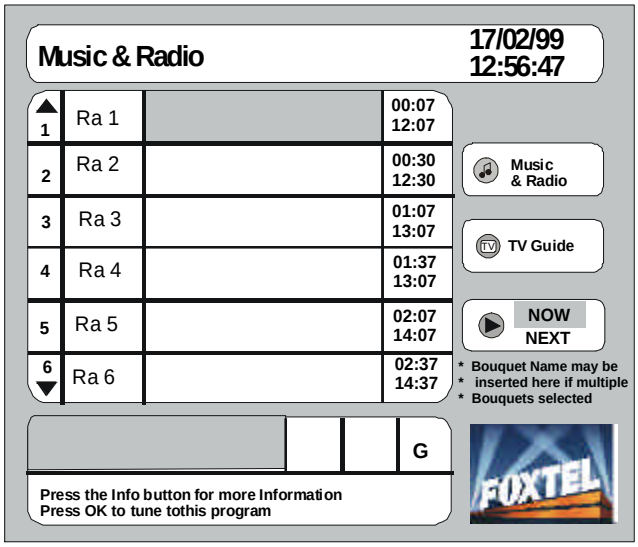
3 To move between the NOW or NEXT programmes, press ▶ on the RCU.

4 Select the highlighted programme to view/hear by pressing OK. NEXT programmes cannot be viewed before their start time.

Pressing OK with NEXT selected sets a programme reminder and a clock symbol appears under the programme time, indicating a reminder. To remove the reminder press OK again; the clock symbol disappears.

5 Additional information on the programme is displayed when ***i*** on the RCU is pressed with a service on the EPG selected. Press EXIT to return to the EPG.

6 Press ♫ on the RCU to enter the Music & Radio guide. The Music and Radio guide behaves exactly the same as the TV guide. Pressing TV on the RCU takes you back to the TV guide.



7 Press OK to return to normal viewing/listening on highlighted programme, or EXIT to return to programme you were previously viewing.

NOTE: The BOUQUET name may be inserted in the TV/ RADIO and MUSIC Guide if multiple BOUQUETS are available.

OPENTV INFORMATION BAR

At any time whilst watching TV services or listening to radio services, the viewer can obtain information about the current programme and select available programmes via the Information Bar.

1 Press ***i*** on the RCU. The following window is displayed:

2 Use the cursor keys ▲ or ▼ to scroll up or down through titles on other services, whilst simultaneously watching the current service. The current programmes are listed when NOW is selected and the programmes to follow are listed when NEXT is highlighted.

Pressing ***i*** with the Information Bar displayed, provides additional information on the programme.
The local time will also be displayed on the TV when the Information Bar is displayed.

3 Move between the NOW or NEXT programmes by pressing ► or ◄on the RCU.

4 With NEXT selected, an Information Bar appears that displays the next programme. Pressing OK sets the reminder and a clock symbol appears in the Information Box. Pressing OK again removes the reminder.

NEXT programmes cannot be viewed before their start time.

To exit the Information Box, press EXIT or ***i***.

5 When viewing a programme, to tune to another programme press the numbered keys on the RCU. The Information Bar will be displayed for 5 seconds (see Information Display Period, page 18).

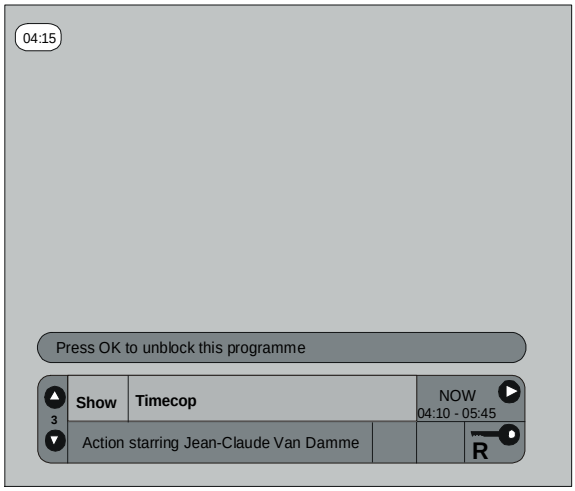
REMINDERS

The procedure for setting and removing a reminder has already been detailed.

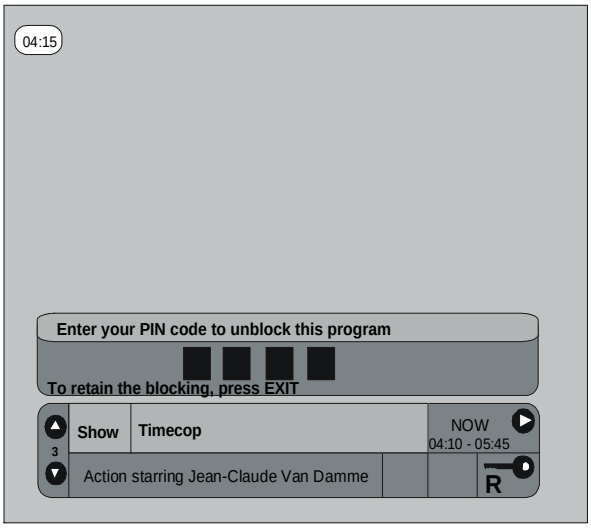
Refer to the Electronic Programme Guide page 13 or the Information Bar, this page. At the right time a reminder message pops up. If you intend to watch the booked programme, press OK on the RCU which tunes the STU to the new service. Otherwise press EXIT to remove the message, while remaining tuned to the original service.

PROGRAMME BLOCKING

When the user has selected a service where there is a blocked programme, a “key” symbol is displayed in the bottom right of the Information Bar. The message above the Information Bar indicates that the user should press OK to unblock the programme.



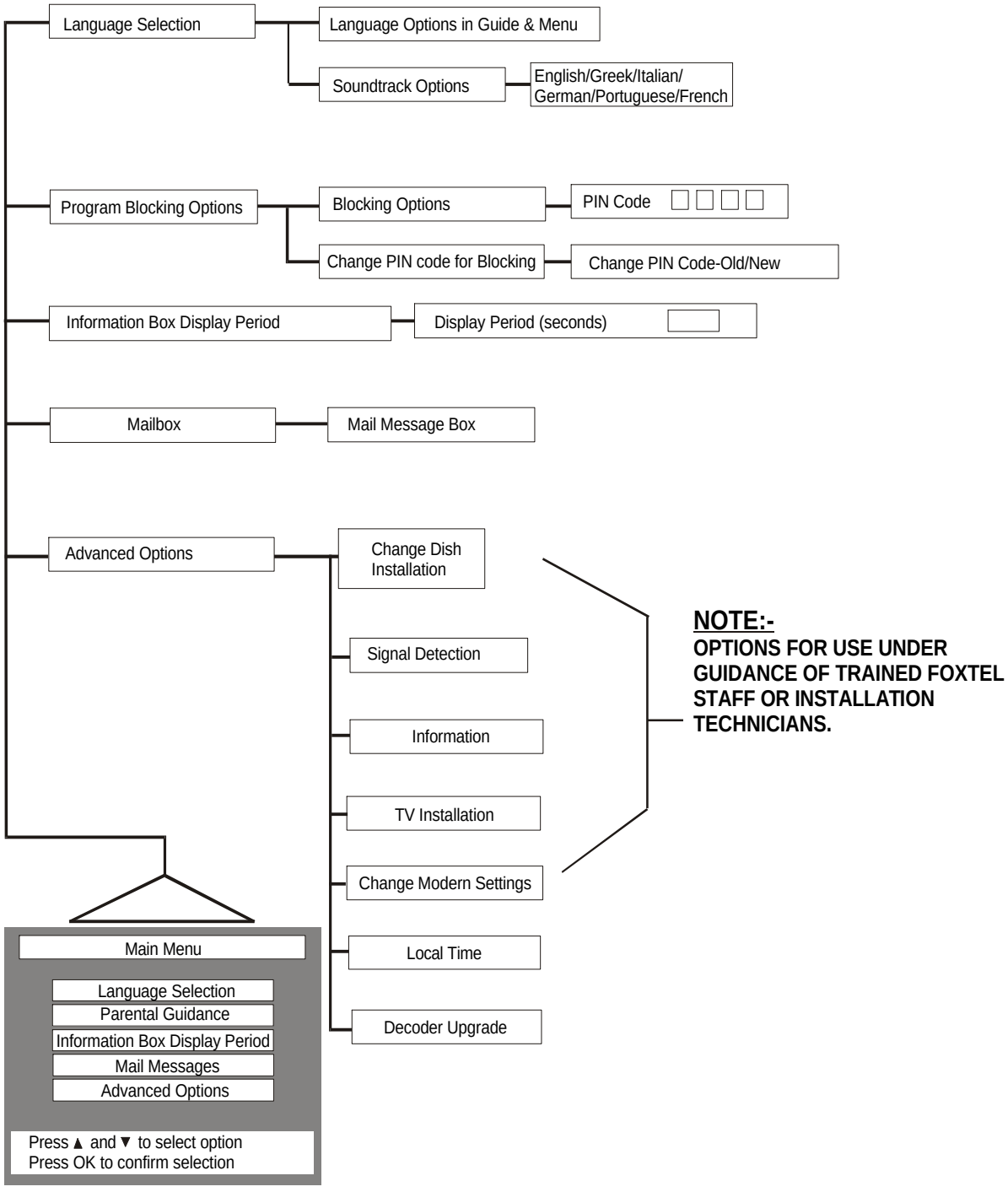
1 Press OK. A screen requiring the Parental PIN code to be entered is displayed.



2 Enter your Parental PIN code using the keypad. Refer to Program Blocking Options on page 17. The programme is then unblocked.

NOTE: The default Parental PIN code is 1234.

MENU NAVIGATION ROUTE



NOTE: **1.The menu structure can be upgraded over the airby the Service Provider and could differ slightly from that shown in these instructions.**

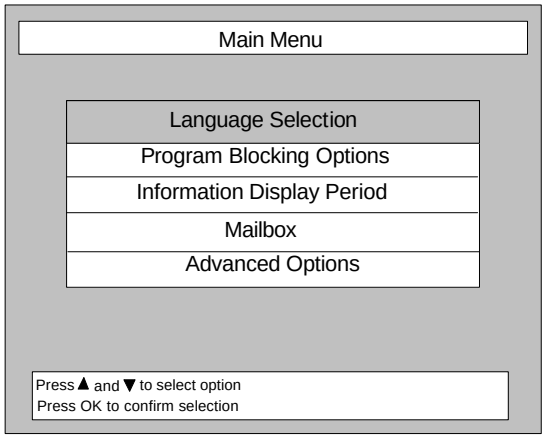
2.Decoder Upgrade menu option is only visible when an Upgrade is being played out.

USING MENUS

To use the Menu system:

1 Ensure that the STU is not in standby mode by pressing the standby button ⏻ , if necessary.

2 Press MENU on the RCU. The following Main Menu is displayed, which provides access to all other sub-menus as shown in the following figure:



All the menus are navigated as follows:

1 Use ▲ or ▼ buttons to scroll the highlighted bar up or down in a (sub)menu or a vertical list box.

2 Select a highlighted menu option and go one level lower within the menu hierarchy by pressing OK on the RCU. This applies to the Main Menu screen and all submenu screens.

In screens where parameters can be set, OK is used to save the settings.

3 Use EXIT to return to the preceding menu (go one level higher within the menu hierarchy).

In screens where the parameters can be set, EXIT is used to cancel any settings that may have been entered without saving.

4 Use ◄ and ► buttons to change the value of an input field having preprogrammed values.

5 Use MENU to exit all menus and return to the TV or audio programme.

6 Use numbered buttons to enter numerical values.

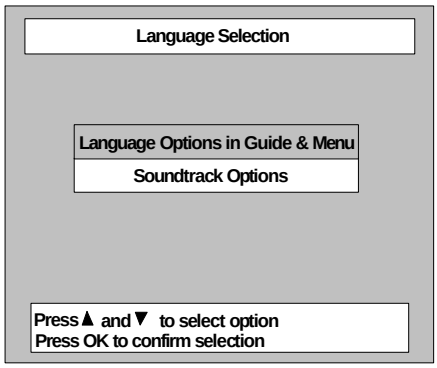
Language Selection

The Language Selection screen allows users to set the text language of the STU, if options are available. The text language is set for the menus, EPG and Information Bar.

To select the text language of your choice, do the following:

1 Press MENU on the RCU.
The Main Menu screen is displayed with Language Selection highlighted.

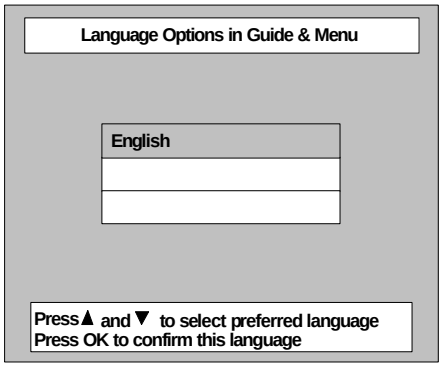
2 Press OK. The following option list is displayed:


Language Selection
Language Options in Guide & Menu
Soundtrack Options
Press ▲ and ▼ to select option
Press OK to confirm selection

Language Option in Guide and Menu

1 On selection the Language Options in Guide and Menu option is highlighted.

2 Press OK.
The Language Menu containing a selection of languages is displayed, as follows:



3 Use ▲ or ▼ arrows to highlight any other preferred language.

4 Press OK to select the desired language.

5 Press EXIT to return to the Main Menu or MENU to return to the service.

The menu should now be presented in the language selected

Soundtrack Options

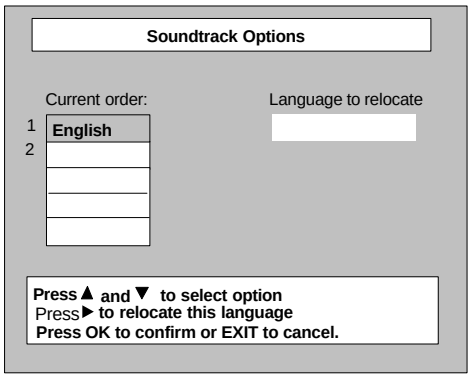
The Soundtrack Options allows users to set the soundtrack language preference of the STU, if an option is available, and is achieved by moving the available languages into a list of choice.

To select the soundtrack language of your choice do the following:

1 Press MENU on the RCU.
The Main Menu options list is displayed.

NOTE: **On initial selection of the Main Menu, the default setting is for Language Selection.**

2 Press OK to select Language Selection. Select Soundtrack Options. The following option list is displayed:



3 On the RCU, press ▲ or ▼ arrows to highlight the preferred language that you wish to relocate from the list.

4 Press ▶ to move the highlighted language option into the relocation window.

NOTE: Although several languages can be available, only two can be relocated into positions 1 and 2.

5 Press OK to confirm your selection.

NOTE: Pressing ? on the RCU displays the following window at the top of the TV screen:

Program Blocking Options

The STU includes a parental guidance facility to control viewing of age restricted programmes, please utilise this facility. Access to this facility is controlled via the Parental PIN code.

TIP: The PIN is set at the factory to 1 2 3 4. If you intend to use the parental guidance facility, please change the PIN as soon as possible. Remember to keep a note of your new PIN in a secure place. If the Parental Lock PIN number has been changed from the default and is lost or forgotten, it can be reset by calling Foxtel on 131 999. The PIN will only be reset for the account holder and ID may be requested.

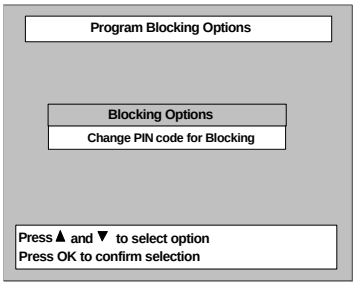
Parental guidance can only be applied to scrambled programmes.

NOTE: To use or change the Parental PIN code your smart card must be in the STU.

Once a viewing channel is unblocked, it will only be blocked again when the information bar changes the programme and rating information.

Blocking Options

1 Press MENU on the RCU. The Main Menu options list is displayed with Blocking Options highlighted.


Program Blocking Options
Blocking Options
Change PIN code for Blocking
Press ▲ and ▼ to select option
Press OK to confirm selection

2 Press OK.
A Security Check screen is displayed, in which the PIN code for blocking must be entered using the RCU.

3 On entering the correct PIN, a submenu is displayed, which is organised as follows:

NOTE: If the incorrect PIN is entered, the previous menu Security Check) is again displayed.

MENU OPTION	EXPLANATION
Block All	All scrambled programmes are blocked
Block PG and above	Parental Guidance for children up to 7 years
Block M and above	Can be viewed by mature persons older than 12 years
Block MA and above	Can be viewed by mature persons older than 15 years
Block AV and above	Can be viewed by mature persons older than 16 years
Block R and above	Restricted to persons older than 18
No Block	Can be viewed by all the family

NOTE: The default setting is for "No Block"

4 Press ▲ or ▼ to highlight the preferred control option.

5 Select your choice by pressing OK on the RCU.

6 Press EXIT to return to the Main Menu or MENU to return to the service.

Changing the PIN code

To change the existing PIN to a new number, carry out the following:

1 Press MENU on the RCU.
The Main Menu options list is displayed.

2 Press ▼ to select the Program Blocking Options, then press OK.

3 On the displayed menu, press ▼ to highlight Change PIN code for Blocking, then press OK. The Change PIN screen is displayed.

4 Key in your old PIN code.This automatically highlights the new PIN code to be entered.

5 Change the PIN to its new value. Instead of digits, crosses are displayed for the PIN codes. When the new PIN code is entered, a second box is highlighted requesting you to re-enter the new code. This is a safeguard against an initial incorrect entry.

6 The Program Blocking Options menu is automatically displayed.

7 Press EXIT to return to the Main Menu or MENU to return to the service.

Information Display Period

If the period of time that the Information box is displayed is either too long or too short, change the Information box display time as follows:

1 Press MENU on the RCU.
The Main Menu options list is displayed.

2 On the RCU, press ▼to highlight Information Display Period.

3 Press OK.
The Information Display Period screen is displayed.

4 Press ◄ or ► to change the information display period (in seconds).

5 Press OK to confirm the new time or EXIT to cancel the screen. The Main Menu is displayed.

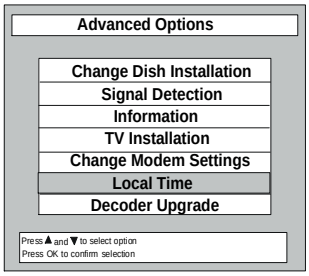
6 Press EXIT or MENU to return to the service.

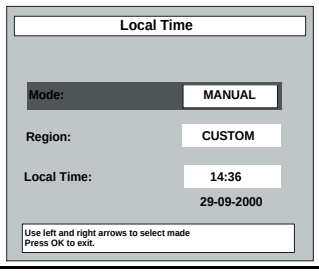
Local Time

The STU acquires the time 'over the air' from the Broadcaster. There is therefore no need for the usere to adjust the time, however the correct time zone is required for the STU to display the correct time for that region. The STU is able to automatically select these values.

The Local Time is controlled from the Local Time menu which is located under 'ADVANCED OPTIONS'. The STU operates in two main modes being AUTOMATIC or MANUAL. In Automatic mode the region region is selected by FOXTEL over the air according to your street address, it is recommended that the STU is operated in the Automatic Mode. In the Manual mode the user can select the region according to the instructions below.

1. Press the Menu button on the Foxtel remote.
2. Press the ▲ or ▼ arrow and select Advanced Options.
3. Press OK.
4. Press the ▲ or▼ arrow and select Local Time.
5. Press OK.
6. Use ◄ or ► arrow to change Mode.
7. Press OK when finished.
8. Press the ▲ or ▼ arrow and select Region.
9. Use ◄ or► arrow to change Region.
10. Press OK when finished.
11. Press the ▲ or▼ arrow and select Local Time.
12. Use ◄ or► arrow to set the Local Time. The◄ arrow allows you decrease the minutes by 30 minute intervals, while the ► arrow allows you to increase the minutes by 30 minute intervals.
13. Press OK when finished, then Press Menu button to exit to normal viewing. To view the time, Press the yellow button on you Foxtel remote.





Mailbox

The Service Provider can send global or individual messages over the air. When a message has been received, the yellow front panel indicator will be illuminated and the ✉ symbol will be displayed on the TV screen.
To read the message do the following:

1 Press MENU on the RCU. The Mains Menu options list is displayed.

2 On the RCU, press▼ to highlight Mailbox.

3 Press OK. The Mail Messages screen is displayed.

4 Press OK to return to the Main Menu.

The front panel yellow indicator will be OFF and the mail symbol will no longer be displayed.

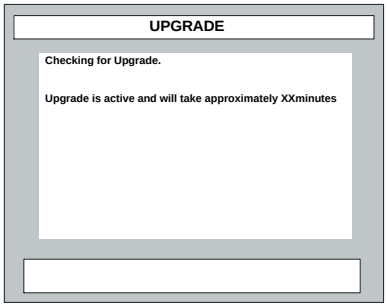
Over The Air Software Download

Upgrades involve replacing the software (programs) in the STU with improved software, adding more features and improving the existing operation of the STU. This ensures that the STU does not have to be replaced each time advances in technology occur. By replacing the software, you virtually get a new STU.

Software upgrades normally take place automatically over-the-air. The STU can be upgraded when it is in standby or while it is switched to a service. The STU software cannot be upgraded if it is switched off at the mains. It is strongly recommended that your STU is left in the standby mode when you are not using it.

A message on the TVscreen will warn you that a software upgrade will take place. Software upgrades usually take place in the early morning and last approximately 9 minutes, during which time normal satellite viewing is not possible. After the download is completed, the STU will automatically return to the current service.

NOTE: **1. Whilst the STU is performing the Upgrade, never remove power from the STU as this will stop the upgrade process and will cause your STU to stop functioning normally.**
2. During the upgrade an Amber light will be displayed on the front of the STU with numbers and a rotating cursor.



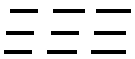
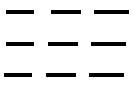
Troubleshooting

If any problems are encountered when operating the STU, make use of the following guidelines to assist in solving the problem. The STU will automatically detect and diagnose many STU and transmission related problems. Where possible, the errors will be communicated via messages on the TV screen and/or the STU display panel.

Locate either the corresponding error number and message or the description of your problem in the troubleshooting table and follow the advice provided.

If you have tried the appropriate remedy and still have difficulty in operating your STU, please call the hot line.

TROUBLESHOOTING

Decoder Front Panel	Message/Display on TV Screen or Symptom	Possible Cause	Remedies
	Any menu is displayed	Normal operation. The decoder is in menu mode	Press the MENU button on the remote to return to normal viewing
Blank display	Blank screen (TV switched on)	No mains power to the decoder	Ensure that the mains lead to the decoder and mains power point is securely plugged into the mains outlet, and that the mains is switched on
Small green dot	Blank screen (TV switched on)	Normal operation. The decoder is in standby mode	Press ⏻ on the remote to return to return to normal viewing
No small flashing green dot when any button on the remote is pressed	Any display	Remote control does not work	Check that remote batteries are correctly inserted. Replace batteries and re-try
	No Audio/Noisy Audio	1. Volume control set to low 2. PAL setting incorrect	1.Raise volume using Foxtel RCU 2.Restore correct TV type for country of operation
Any programme number	Terrestrial programme displayed	Incorrect TV channel selected to view the satellite decoder	On the TV, select the channel allocated to view the decoder programmes
	Incomplete video recording - a portion of the recorded satellite programme has not recorded	The decoder has been switched to standby or to a different service during the recording	Do not make any adjustments or selections with the remote during recordings
	Interrupted video recording. Menus or other text appear on the recorded satellite programme, or the sound level fluctuates NOTE: The recording of any channel is subject to copyright laws	A button has been pressed on the remote	Do not make any adjustments or selections with the remote during recordings
Blank display	Security check screen followed by programme blocking menu	Incorrect PIN number entered	Refer to Programme Blocking in this manual. If you have forgotten your PIN code consult your service provider
3 flashing dashes and error dot (red)	TV picture breaks up and eventually NO SIGNAL banner displayed	Heavy thunderstorm in progress either locally or at transmission point	Wait until storm subsides
Any programme number	No audio or video	SCART functionality incorrectly set	Press UHF button on remote to obtain IRD on front panel display
3 flashing dashes and error dot (red)	NO SIGNAL or SEARCHING FOR SIGNAL AT XXXX MHZ	Faulty installation Signal problem Heavy rain (normal operation will resume as soon as the rain subsides	Check, repair or replace cables Check decoder installation settings Realign the dish Call the service provider
TV Guide times are out by 1 hour	TV Guide Start, Stop Dates not matching magazine or current playout.	Local time offset wrong	Change local time offset. Refer to page 18 in this manual
Error dot (red)	E03 CA module failure	The CAM is malfunctioning	Call the service provider

TROUBLESHOOTING

Decoder Front Panel	Message/Display on TV Screen or Symptom	Possible Cause	Remedies
Error dot (red)	E04 Please insert Smart Card	The Smart Card is not inserted	Reinsert the Smart Card Call the service provider
Error dot (red)	E05 Unknown card	The Smart Card is not applicable to this system	Reinsert the Smart Card Call the service provider
Error dot (red)	E06 Smart Card failure	The Smart Card is damaged	Call the service provider
Error dot (red)	E07 Checking Smart Card	The decoder is briefly checking the Smart Card	If, after 30 seconds, the message is still displayed, reinsert the Smart Card. Call the service provider
Error dot (red)	E08 CA Module failure	The CAM is malfunctioning	Call the service provider
Error dot (red)	E09 CAD EEPROM error	The Smart Card is malfunctioning	Reinsert the Smart Card Call the service provider
Error dot (red)	E11 Updating CAD EEPROM	The decoder is briefly checking the Smart Card	If, after 60 seconds, the message is still displayed, reinsert the Smart Card. Call the service provider
Error dot (red)	E12 CAM failure	The CAM is malfunctioning	Call the service provider
Error dot (red)	E13 CAM failure	The CAM is malfunctioning	Call the service provider
Error dot (red)	E14 Service is currently scrambled	There is a problem with the transmission	Wait for the resumption of transmission
Error dot (red)	E15 Smart Card error	Smart Card damaged	Call the service provider
Error dot (red)	E16 Service is currently scrambled	Access to service denied	Not subscribed to, call to arrange subscription.
Error dot (red)	E17 Service is currently scrambled	Access to service denied	Call the service provider
Error dot (red)	E18 Unknown Card	The Smard Card is not applicable to this system	Insert the correct Smart Card Call the service provider
Error dot (red)	E19 Service is currently scrambled	Access to service denied	Call the service provider
Error dot (red)	E20 Service is currently scrambled	Access to service denied	Call the service provider
Error dot (red)	E21 Service is currently scrambled	Access to service denied	Call the service provider
Error dot (red)	Event Purchased		
Error dot (red)	Preview period		
Error dot (red)	E24 Service is currently scrambled	Access to service denied	Call the service provider
Error dot (red)	E25 Event already purchased	Attempt to re-purchase an event	
Error dot (red)	E26 Event for sale - cheap	Special of the day	
Error dot (red)	E27 No further purchases possible	Event limit reached	Call the service provider

TROUBLESHOOTING

Decoder Front Panel	Message/Display on TV Screen or Symptom	Possible Cause	Remedies
Error dot (red)	E28 Credit limit reached	Entitlements Credit in Smart Card exhausted	Call the service provider
Error dot (red)	E30 Service is currently scrambled	Access to service denied	Call the service provider
Error dot (red)	E31 Service is currently scrambled	Access to service denied	Call the service provider
Error dot (red)	E32 Service is currently scrambled	Access to service denied	Call the service provider
Error dot (red)	E34 Service is currently scrambled	Access to service denied	Call the service provider
Error dot (red)	E35 Service is currently scrambled	Access to service denied	Call the service provider
Error dot (red)	E37 Service unknown	1. Wrong Bouquet has been Selected. 2. System error 3. Not a Broadcast channel	1. Press TV button, select FOXTEL Bouquet, press OK. 2. Call the service provider
Error dot (red)	E38 Service is not currently running	The service is being used for a special event	Consult the EPG
Error dot (red)	E39 Locating service	The decoder is busy locating a service	Wait briefly while service is located
Error dot (red)	E40 IRD memory full	System error	Call the service provider
Error dot (red)	E41 Service is not currently available	The programme has been blocked by means of Program Blocking	Re-assign blocking level
Error dot (red)	E42 Parental control lock	The service has been blocked	Reset blocking level if required
Error dot (red)	E45 Service not allowed	The satellite dish is not receiving a signal	Check that the satellite frequency has been correctly set Check the installation Call the service provider
Error Dot (red)	E44 Event information not available	No parental rating in stream	Remove Parental blocking on STU
Error dot (red)	E47 No soundtrack available	An unavailable language has been selected	Select an available soundtrack
Error dot (red)	E49 LNB overload detected	Installation faulty	Check installation for short circuits Consult installer
Error dot (red)	E50 No service available		
Error dot (red)	E 53 Incorrect PIN		
Error dot (red)	E54 IPPV OK		
Error dot (red)	E55 No event information found		
Error dot (red)	E56 CAM not compatible		
Error dot (red)	E64 Invalid tuning parameters		

SPECIFICATIONS

Due to continued product improvement, this specification is subject to change without prior notice.

GENERAL

Front Panel Control Buttons	On/Standby, TV/Audio, Programme/ Volume up/down
Reset	On/Standby and TV/Audio simultaneously
RCU	Multi-button, infrared, battery operated RCU. Range 7 m, ± 45° in horizontal plane, ± 20° in the vertical plane. Batteries Type AAA
User Interface	Full On-screen Display with point and select menus for setup. TV viewing, audio listening, teletext and future interactivity
Subscription service facilities	Smart Card, on-board CA software and over-the-air upgradable software Built-in modem (optional) Data port
UHF Modulator	PAL BG, Ch 21 to 69, preset to Ch 38
Mains Voltage	210 - 250 V AC 50 Hz
Power Consumption	30 W Maximum
Dimensions	357 x 70 x 240 mm (W x H x D)
Weight	Approx. 2.5 kg (unpacked)
Operating Conditions:	Temperature 5 °C to 45 °C
Relative Humidity	5% to 80% <38 °C wet bulb temperature
Altitude	0 to 2000 m

CONNECTORS

LNB input	F-connector
LNB output	F-connector
Terrestrial antenna input	IEC 169 female
TV RF output	IEC 169 male
TV SCART	SCART
VCR SCART	SCART
S-VHS	MiniDIN
Variable left channel audio output to TV/VCR	RCA
Variable right channel audio output to TV/VCR	RCA
Fixed left and right audio channels to Hi-Fi	RCA
Mono audio to TV/VCR	RCA
Internal modem (where fitted)	RJ11
External modem port	9 pin D-type male
Data service port	9 pin D-type female

SATELLITE RECEIVER TUNER

Receiver Frequency Range	950 to 2150 MHz
Input Signal Level	-20 dBm to -65 dBm
Polarisation Switching	13.5 - 18 V DC 350 mA maximum, short circuit protection
DiSEqC	Modulated onto 22 kHz

DEMODULATOR

Type	QPSK
Input Data Rate	2 to 45 Mb/s/
Error Correction	DVB specified FEC code rates

STU VIDEO MPEG-2

STU AUDIO

Decompression	MPEG-1, MPEG-2 Layer Musicam
Channels	Single channel, joint stereo, stereo
Sampling Frequencies	32.0 kHz, 44.1 kHz and 48.0 kHz

REMODULATOR RF SIGNAL

Depth of Modulation	88% PAL B/G
Output Channel Range	21 to 69 (preset to channel 38)
Vision-to-sound ratio	14 dB
Vision-to-sound frequency variance	± 20 kHz from nominal
Vision carrier frequency drift	± 10 kHz
RF output level	73 dBµ V
Output spurii	<-60 dB
RF stray radiation	<20 dBµ V at antenna input
Intermodulation	-60 dBc
RF bypass bandwidth	47 MHz to 860 MHz
RF bypass insertion gain	2 dB
RF bypass channel tilt	1 dB

MEMORY

RAM	4 Mbyte
Flash - EEPROM	2 Mbyte
NVRAM	8 kbyte

VIDEO SIGNAL

Output	1 V peak-to-peak, 75
Format	PAL
Bandwidth	5 MHz

AUDIO SIGNALS

Output	1 V r.m.s. into 10 k
Frequency range	20 Hz to 20 kHz at 44.1 kHz sampling rate
Dynamic range	80 dB
Distortion	± 0.2% @ 1 kHz
Noise	-80 dBµ
L-R level difference	0.5 dB
Crosstalk	-60 dB

EXTERNAL MODEM

Maximum data rate	19200 bits/s

HOTLINES

Foxtel Hotline Number: 131 999

NOTES

MACROVISION

This product incorporates copyright protection technology that is protected by U.S patents and other intellectual property rights. Use of this copyright protection technology must be authorised by Macrovision, and is intended for home and other limited pay-per-view uses only unless otherwise authorised by Macrovision. Reverse engineering or disassembly is prohibited.

NOTE: This technology is permanently DISABLED in this product.